

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AIR QUALITY OPERATING PERMIT**

Permit No. GP1

The Department of Environmental Conservation, under the authority of AS 46.03, AS 46.14, and 18 AAC 50.350, issues an Air Quality Operating Permit for:

Permitted Facilities: Diesel-Electric Generating Facilities

This permit authorizes the operation of facilities for which the department finds in writing:

- Equipment meets the criteria established on page 2 of this permit; and
- The department has received a complete application. For the department to find the application complete, the application must provide all of the information described in the application form issued with this permit, for all equipment to be operated under this permit.

This permit expires on May 1, 2008. To renew this permit, the owner or operator must submit a renewal application between November 1, 2006 and November 1, 2007.

John F. Kuterbach, Manager
Air Permits Program
Date Issued May 1, 2003

General Diesel-Electric Generating Facility Operating Permit

Qualifying Criteria

The facility approved to operate under this general operating permit (hereafter referred to as “the facility”) is described by SIC codes 4911 and 4931 and produces electricity. A facility may be approved to operate under this general permit if an operating permit is needed for the reasons in 1, and the facility is not excluded for any of the reasons in 2.

1. An operating permit is needed for a diesel electric generating facility if:

- a. The facility emits or has the potential to emit 100 tons per year of a regulated air contaminant; or
- b. The facility contains a source that
 - is fuel burning equipment with a rated capacity of 100 MMBtu per hour or more, or
 - must have a control device to comply with 18 AAC 50.050(a)(1), (b)(1), or (c) and has a rated capacity of 50 MMBtu per hour or more

2. The facility would be excluded from using this general permit if:

- a. It is subject to a fuel consumption limit or other facility-specific requirement established in a construction permit, or air quality control permit under the former 18 AAC 50.400;
- b. The facility was built after January 18, 1997 in a sulfur dioxide special protection area, and contains fuel burning equipment with an individual heat input rating of 10 MMBtu/hr or more;
- c. The facility contains (the facility may qualify for another general permit):
 - A boiler subject to 40 C.F.R. 60, Subparts D, Da, Db, or Dc (see GP-5);
 - A gas turbine;
 - A fuel storage tank subject to 40 C.F.R. 60, Subparts K, Ka, or Kb (GP 8.1 and 8.3), unless the only requirement that applies is recordkeeping under Kb, §116b(a)&(b);
 - A source subject to any other federal emission standard in 40 C.F.R. 60, 61, or 63; **Note: A facility is not excluded from this permit just because it contains a woodstove for space heating or is undergoing an asbestos demolition /renovation project.
 - An incinerator; or
 - A source subject to any standard in 18 AAC 50.055(a) – (f) other than, the general standards for fuel burning equipment in (a)(1), (b)(1), and (c); or
- d. Open burning occurs at the facility.

Citations

All regulatory citations have been included at the end of each permit condition. For more detail see the Table included as ATTACHMENT 3.

Sources

This permit authorizes the facility to operate any source identified in the complete permit application submitted for this general operating permit.

Permit Duration

To request general permit renewal, submit a new application to the department and inform us of any differences in information from the previous general operating permit application.

Standard Permit Conditions(Please note that these are standard conditions taken directly from 18 AAC 50.345(b) – (o).

1. The permittee must comply with each permit term and condition. Noncompliance with a permit term or condition constitutes a violation of AS 46.14, 18 AAC 50, and, except for those terms or conditions designated in the permit as not federally enforceable, the Clean Air Act, and is grounds for
 - a. an enforcement action,
 - b. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280, or
 - c. denial of an operating permit renewal application. [18 AAC 50.345(c), 5/03/02]
2. It is not a defense in an enforcement action to claim that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with a permit term or condition. [18 AAC 50.345(d), 5/03/02]
3. Each permit term and condition is independent of the permit as a whole and remains valid regardless of a challenge to any other part of the permit. [18 AAC 50.345(e), 5/03/02]
4. Compliance with permit terms and conditions is considered to be in compliance with those requirements that are
 - a. included and specifically identified in the permit, or
 - b. determined in writing in the permit to be inapplicable. [18 AAC 50.345(b), 5/03/02]
5. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A request by the permittee for modification, revocation and reissuance, or termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [18 AAC 50.345(f), 5/03/02]
6. The permit does not convey any property rights of any sort, nor any exclusive privilege. [18 AAC 50.345(g), 5/03/02]
7. The permittee shall allow the department or an inspector authorized by the department, upon presentation of credentials and at reasonable times with the consent of the owner or operator, to
 - a. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept,
 - b. have access to and copy any records required by the permit,
 - c. inspect any facility, equipment, practices, or operations regulated by or referenced in the permit, and
 - d. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements. [18 AAC 50.345(h), 5/03/02]
8. The permittee shall furnish to the department, within a reasonable time, any information the department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the permittee shall furnish to the department copies of records required to be kept by the permit. The department may require the permittee to furnish copies of those records directly to the federal administrator.

[18 AAC 50.345(i), 5/03/02]

9. The permittee shall certify all reports, compliance certifications, or other documents submitted to the department and required under the permit by including the signature of a responsible official for the permitted facility following the statement: “Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.” Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and documents must be certified upon submittal. When certifying a compliance certification, the official’s signature must be notarized.

[18AAC50.345(j), 5/03/02]

10. In addition to any source testing explicitly required by the permit, the permittee shall conduct source testing as requested by the department to determine compliance with applicable permit requirements.

[18AAC50.345(k), 5/03/02]

11. The permittee may request an extension to a source test deadline established by the department. The permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the department’s appropriate division director or designee.

[18AAC50.345(l), 5/03/02]

12. Before conducting any source tests, the permittee shall submit a plan to the department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the source will operate during the test and how the permittee will document that operation. The permittee shall submit a complete plan within 60 days after receiving a request under Condition 10 of this permit and at least 30 days before the scheduled date of any test unless the department agrees in writing to some other time period. Retesting may be done without resubmitting the plan.

[18AAC50.345(m), 5/03/02]

13. At least 10 days before conducting a source test, the permittee shall give the department written notice of the date and time the source test will begin.

[18AAC50.345(n), 5/03/02]

14. Within 60 days after completing the source test, the permittee shall submit two copies of the results in the format set out in the Source Test Report Outline, adopted by reference in 18 AAC 50.030. The permittee shall certify the results in the manner set out in Condition 9 of this permit. If requested in writing by the department, the permittee must provide preliminary results in a shorter period of time specified by the department.

[18AAC50.345(o), 5/03/02]

15. Permittee shall comply with the provisions of 40 C.F.R., Part 61, Subpart M, Section 145, National Emission Standard for Asbestos, Standard for Demolition and Renovation, when conducting any renovation or demolition activities at the facility.

[40 CFR 61.145, 7/01/01]

16. Permittee shall comply with the standards for recycling and emissions reduction of Class I and Class II refrigerants as provided in 40 C.F.R. 82, Subpart F, Section 82.150, Protection of Stratospheric Ozone.

[40 CFR 82.150, 7/01/01]

GP1 - General Permit Conditions

Fuel Burning Equipment

17 Opacity : In accordance with 18 AAC50.055(a)(1), the permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from the diesel engines at this facility to reduce visibility through the exhaust effluent by either:

17.1 greater than 20 percent for a total of more than three minutes in any one hour, or

17.2 more than 20 percent averaged over any six consecutive minutes.

17.3 Monitor using conditions M1, M2, M5, M6.

17.4 Report using EE2, R7 and R8.

[18AAC50.055(a)(1), 1/18/97; 18AAC50.040(e), 8/15/02]

[18AAC50.055(a)(1), 5/03/02; 40CFR 52.70, 7/1/01]

18. Particulate Matter Emissions [18 AAC 50.055(b)(1), 5/03/02]

18.1 Do not emit particulate matter in concentrations greater than 0.05 gr/dscf using opacity as an indicator of particulate emissions.

18.2 Monitor using conditions M1, M10

18.3 Report using R8.

18.4 Maintain diesel generators and other fuel burning equipment with a heat input rating greater than 10 million Btu/hr according to the preventative maintenance plan submitted with the application for the permit.

18.5 Monitor using Conditions M4-M6, M10.

18.6 Report using EE1, R7 and R8.

19. Sulfur Dioxide Emissions [18 AAC 50.055(c) 5/03/02]

19.1 Do not emit sulfur dioxide in concentrations greater than 500 parts per million averaged over a period of three hours.

19.2 Do not burn fuel oil with a sulfur content greater than 0.50% by weight.

19.3 When burning used oil, blend one part used oil with at least three parts of fuel oil.

19.4 Monitor using Conditions M5, M7, M8.

19.5 Report using EE2, R2 – R5, R7, and R8.

Fuel Storage Tanks

NSPS Subpart Kb, adopted by reference in 18 AAC 50.040(a)(2)(M) 8/15/02, 40 CFR 60.116b(b) 7/01/01

20. Tank Records

Keep the records of Condition M9 for tanks subject to federal New Source Performance Standard Subpart Kb that defines affected facilities as the following: Tanks built after July 23, 1984 that have:

a. a capacity of at least 10,567 and less than 20,000 gallons;

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- b. a capacity of at least 20,000 and less than 40,000 gallons and that store fuels with a maximum true vapor pressure¹ less than 2.2 psia; or
- c. a capacity of at least 40,000 gallons and that store fuels with a maximum true vapor pressure less than 0.5 psia.

Facility

21. Prohibitions

21.1 A. Do not allow any release of emissions in quantities or duration that are injurious to human health or welfare, animal or plant life, or would unreasonably interfere with the enjoyment of life or property. Address pollution complaints resulting from emissions at the facility within 72 hours of the received complaint. B. Monitor using conditions M6. C. Report using EE1 and R8.

[18 AAC 50.110 5/26/72]

21.2 A. Do not dilute emissions with air to comply with this permit. B. Certify compliance using Attachment 2. [18 AAC 50.045(a) 1/18/97]

22. Fees [18 AAC 50.410 1/18/97]

22.1 Determine the fuel consumed at the facility using monitoring plan Condition M3. B. Report fuel consumption using Condition R6.

22.2 Pay the annual emission fees in accordance with the Attachment 4 of this permit.

22.3 Pay the permit administration fees in accordance with 18 AAC 50.400.

23. Annual Compliance Certification

Certify compliance with Conditions 1 – 22 by February 1 of each year for the previous calendar year. Use the format of Attachment 2. [18 AAC 50.350 1/18/97]

Send a copy to:

*EPA Region 10
1200 6th Avenue, Mailstop OAQ-107
Seattle, WA 98101*

Send two copies and the original to:

*Alaska Department of Environmental Conservation
Air Permits Program
610 University Avenue
Fairbanks, AK 99709-3643*

[18 AAC 50.205 1/18/97]

¹ The Maximum true vapor pressure is the equilibrium partial pressure of the stored fuel at the highest average monthly temperature for the location.

Compliance Monitoring Plan

Obtain the following records to determine compliance with the permit conditions. Keep these records accessible for five years.

[18 AAC 350(h)(5) 1/18/97]

Monthly Records

M1. Visible Emissions and Particulate Matter Inspections.

[18 AAC 350(d)(3) 1/18/97]

A flow chart contained in ATTACHMENT 6 illustrates this tiered monitoring approach.

A. Smoke/No Smoke Plan. Observe the exhaust for the presence or absence of visible emissions, excluding condensed water vapor.

- a. Initial Monitoring Frequency. Observe the exhaust during each calendar day that a source operates.
- b. Reduced Monitoring Frequency. After the source has been observed on 30 consecutive operating days, if the source operated without visible smoke in the exhaust for those 30 days, then observe emissions at least once in every calendar month that a source operates.
- c. Smoke Observed. If smoke is observed, either begin the Method 9 Plan or perform corrective action.

Corrective Actions Based on Smoke/No Smoke Observations. If visible emissions are present in the exhaust during an observation performed under the Smoke/No Smoke Plan, then the permittee shall either follow the Method 9 Plan or

- d. initiate actions to eliminate smoke from the source within 24 hours of the observation;
- e. keep a written record of the starting date, the completion date, and a description of the actions taken to reduce smoke; and
- f. after completing the actions required under d above
 - (i) take Smoke/No Smoke observations
 - (i) at least once per day for the next seven operating days and until the initial 30 day observation period is completed; and
 - (ii) continue as described in b above; or

- (ii) if the actions taken under d above do not eliminate the smoke, or if subsequent smoke is observed under the schedule of c above, then observe the exhaust using the Method 9 Plan unless the department gives written approval to resume observations under the Smoke/No Smoke Plan; after observing smoke and making observations under the Method 9 Plan, the permittee may at any time take corrective action that eliminates smoke and restart the Smoke/No Smoke Plan.

B. Method 9 Plan. For all 18-minute observations in this plan, observe exhaust, following 40 C.F.R. 60, Appendix A-4, Method 9, adopted by reference in 18 AAC 50.040(a), for 18 minutes to obtain 72 consecutive 15-second opacity observations.

- a. First Method 9 Observation. Observe exhaust for 18 minutes within six months after the issue date of this permit or within 14 calendar days after changing from the Smoke/No-Smoke Plan of A above, whichever is later.
- b. Monthly Method 9 Observations. After the first Method 9 observation, perform 18-minute observations at least once in each calendar month that a source operates.
- c. Semiannual Method 9 Observations. After observing emissions for three consecutive operating months under b above, unless a six-minute average is greater than 15 percent and one or more observations are greater than 20 percent, observe emissions at least semiannually for 18 minutes.
- d. Semiannual observations must be taken between four and seven months after the previous set of observations.
- e. Annual Method 9 Observations. After at least two semiannual 18-minute observations, unless a six-minute average is greater than 15 percent and one or more individual observations are greater than 20 percent, observe emissions at least annually.
- f. Annual observations must be taken between 10 and 13 months after the previous observations and must include at least three 18-minute sets of observations.
- g. Increased Method 9 Frequency. If a six-minute average opacity is observed during the most recent set of observations to be greater than 15 percent and one or more observations are greater than 20 percent, then increase or maintain the 18-minute observation frequency for that source to at least monthly intervals, until the criteria in c above for semiannual monitoring are met.

C. Particulate Matter

If the Method 9 readings required in “B” are greater than 15% but less than 20% opacity, then particulate matter emissions may exceed the particulate matter standard. Perform an EPA Reference Method 5 or other EPA approved method source test (within 60 days of Method 9 reading that exceeded 15%) to determine if the standard is maintained and if the particulate emissions are less than

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0.05 g/dscf. Continue the Method 9 readings as described in “B”. Take Method 9 readings throughout the particulate matter tests in order to calculate an average opacity that corresponds to the particulate matter emissions. Submit the test results to the department within 60 days of the testing completion.
[18 AAC 350(d)(3) 1/18/97]

M2. Keep a log of maintenance done to reduce visible emissions after observations done for Condition M1.
[18 AAC 350(d)(3) 1/18/97]

M3. Record the amount of fuel oil and used oil burned at the facility on a monthly basis. Keep records for either:

- Total fuel burned at the facility, or
- Separate fuel records for diesel engines from other equipment.

[18 AAC 350(d)(3) 1/18/97]

Continuously

M4. Keep a maintenance log of activities performed in accordance with the preventative maintenance plan submitted with the application. [18 AAC 350(d)(3) 1/18/97]

M5. Keep a list of all deviations from Conditions 17 - 21. Include

- the date;
- the equipment involved;
- the permit condition;
- a description of the deviation; and
- actions taken to solve the problem.

[18 AAC 350(d)(3)& (f)(3) 1/18/97]

M6. Keep a written log of all

- Air pollution complaints received
- Dates of the complaints,
- Investigations to determine the cause of the complaints, and
- Any actions taken to resolve the complaints.

[18 AAC 350(f)(3) 1/18/97]

Fuel & Used Oil Delivery

M7. Keep a delivery receipt for each shipment of fuel and used oil delivered to the facility. If using fuel oil other than ASTM D1 (diesel fuel #1), D2 (diesel fuel #2), or comparable, test each shipment for the fuel oil using the applicable ASTM Method. Acceptable methods include D129-00; D1266-98; D1552-95; D2622-98; D4294-98; and D4045-99. If using ASTM D1 (diesel fuel#1), D2 (diesel fuel#2), or comparable, keep copies of the fuel delivery records that indicate the ASTM fuel grade as defined in ASTM D396-02 or D975-02.

[18 AAC 350(d)(3) 1/18/97]

M8. If burning used oil generated off-site, record the quantity of fuel oil blended with the used oil. Test the sulfur content of each shipment of used oil that is generated off-site and record the quantity of fuel accepted or keep supplier's sulfur content analysis. Test any fuel used to fulfill the blending requirement using the applicable test method and record the quantity of fuel used in the blend. Supplier certification is adequate as long as blending does not occur. Samples may be collected by the vendor from batches prepared by the local supplier for delivery to permittee's facility, or by supplier for bulk shipment not blended prior to delivery to the permittee's facility.

[18 AAC 350(d)(3) 1/18/97]

Permanent Record

M9. For fuel storage tanks described in Condition 20, keep a permanent record of the tank capacity, tank dimensions, and calculations for computing tank capacity. Keep this record for the life of the tank.

[40 CFR 60.116b(a) & (b), 7/01/01]

If Requested by the Department

- M10.** If requested by the department, conduct, and keep records of source tests for particulate matter emissions in accordance with Condition 10. Compare the results of the source test to Condition 18.1.

[18 AAC 350(d)(3) 1/18/97]

Reporting Requirements

The department requires a facility using this general permit to perform three types of reports: (1) reporting emissions that have the potential to violate a permit condition, (2) semiannual operating reports, and (3) annual compliance certifications.

Reporting of Excess Emissions:

EE1. Potentially Injurious Emissions

Notify the department immediately but not more than 4 hours after discovery of any emission that has the potential to violate Condition 21.1 at one of the following numbers:

Central Alaska	269-7577	FAX 269-7508
Northern Alaska	451-2360	FAX 451-2187
Southeast Alaska	465-5100	FAX 465-5129

Outside of normal business hours: 1-800-478-9300.

Fax a completed ADEC Notification form (Attachment 5) within 24 hours to the Anchorage air quality office at 907 269 7508.

[18 AAC 350(i)(1) 1/18/97]

EE2. Opacity, Fuel Sulfur and Particulate Matter Violations

Notify the department at 907 269-8888 or 907 269-7508 (fax) within 48 hours of:

- Completion of a Method 9 inspection showing a violation of Condition 17.
- Receipt of results of an EPA Method 5 test showing exceedance of the 0.05 gr/dscf limit
- Burning any fuel that exceeds 0.50% sulfur by weight.

[18 AAC 350(i)(1) 1/18/97]

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Semiannual Operating Reporting [R1-R8 is required by 18 AAC 50.350(i)(5), 1/18/97]:

R1. Submit the following information to the department every six months:

Submit three copies, including the original, of this semi-annual operating report to:

Alaska Department of Environmental Conservation

Air Permits Program

610 University Ave

Fairbanks, Alaska 99709-3643

Facility Name _____ Date: _____

Semiannual Operating Report for

☐ 1/1/____ - 6/30/____ Due on **August 1**, or

☐ 7/1/____ - 12/31/____ Due on **February 1**

R2. Fuel Delivery dates and grades:

Dates:	Quantity:	Fuel Grade:	or	Sulfur Content:
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____

R3. Off-Site Used Oil Delivery:

Dates:	Quantity:	Fuel Grade:	or	Sulfur Content:
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____
_____	_____	_____		_____

R4. Used Oil Burned – estimated amount generated on-site:

R5. How did you ensure your facility blended used and fuel oils to achieve a mix of 25% or less used oil?

R6. The amount of fuel used each month:

	Facility Total	Amt. Used in Diesel Engines (Optional)	Amt. Used in Other Fuel Burning Equip. (Optional)
Month 1	_____	_____	_____
Month 2	_____	_____	_____
Month 3	_____	_____	_____
Month 4	_____	_____	_____
Month 5	_____	_____	_____
Month 6	_____	_____	_____

R7. Did you deviate from any permit requirements? ☐ Yes ☐ No
If yes, attach a list under Condition R8(c).

R8. Attach:

(a) Monthly copies of the visible emission readings results including:

- Smoke/no-smoke observations, and
- Any Method 9 forms.
- Whether a Method 5 source test was performed

(b) A description of any complaints received, including:

- Date,
- Nature of the complaint,
- Results of the investigation, and
- Steps taken to resolve the complaint.

(c) A list of any deviations from permit conditions; include:

- The date or period
- Equipment involved
- The permit condition
- The nature of the deviation
- Actions taken to solve the problem.

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Signature

Printed Name

Title

Attachment 1 -Visible Emissions Forms

Page 1 of _____



Company _____

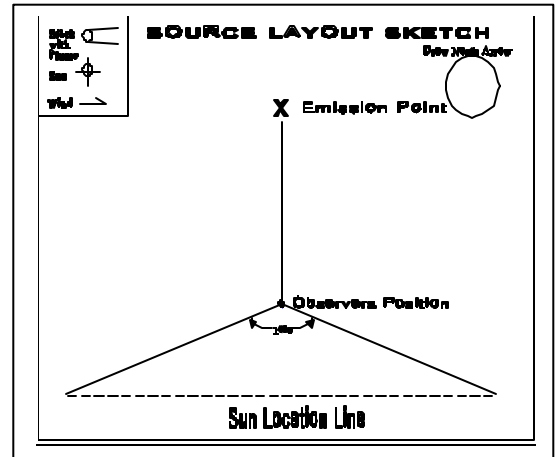
Location _____

Test No. _____ Date _____

Diesel Engine ID _____

Load: _____

Hrs. of observation: _____



Clock Time	Initial			Final
Observer location				
Distance to discharge				
Direction from discharge				
Height of observer point				
Background description				
Weather conditions				
Wind Direction				
Wind speed				
Ambient Temperature				
Relative humidity				
Sky conditions: (clear, overcast, % clouds, etc.)				
Plume description:				
Color				
Distance visible				
Water droplet plume? (attached or detached?)				
Other information				

Use the procedures specified in 40 C.F.R. 60, Appendix A, Method 9 to perform this observation.

Visible Emissions Observation record Part 2, Observations

Page __ of __

Company _____ Observer _____

Test Number _____ Clock time _____

[illegible]

Additional information:

Observer Signature

Average Opacity Summary

Set Number	Time Start--End	Opacity	
		Sum	Average

Attachment 2 - Annual Compliance Certification

(If you check "Not Applicable" attach explanation.)

Permittee: _____

Facility Name: _____

Certification Period: _____

Condition	Compliance Status	Continuous/Intermittent	Method used to determine compliance
1 - 6	These conditions place no certification obligation on permittee		
7	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" Dates access granted, or not requested ' Access not requested " Other (attach description & documentation)
8	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" Dates information requested and submitted ' No information requested " Other (attach description & documentation)
9	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All reports/documents certified " Dates submitted: Excess emission reports Semiannual reports Compliance certifications
10 - 14	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" Dates source test requested and submitted ' No source test requested " Other (attach description & documentation)
15	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' No asbestos demolition/renovation done " Other (attach description & documentation)
16	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' No refrigerants handled " Other (attach description & documentation)
17	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All inspections made and records kept " Other (attach description & documentation)
18	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
19	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
20	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept " Other (attach description & documentation)
21.1	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' No potentially injurious emission observed or complaints received " Other (attach description & documentation)
21.2	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	' Equipment design does not allow dilution of emissions " Other (attach description & documentation)
22	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' all emission and permit administration fees paid " Other (attach description & documentation)

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23	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' annual compliance certifications submitted on time " Other (attach description & documentation)
M1A	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' smoke/no smoke observations made " Other (attach description & documentation)
M1B	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' EPA Method 9 Plan followed " Other (attach description & documentation)
M1C	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" No opacity averaged more than 15% ' Method 5 source test performed " Other (attach description & documentation)
M2	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' smoke/no smoke or Method 9 observations made " Other (attach description & documentation)
M3	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' Fuel consumption recorded monthly and semi annually and annually " Other (attach description & documentation)
M4	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records kept ' maintenance logs maintained for all equipment " Other (attach description & documentation)
M5	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records of deviations kept ' no deviations took place " Other (attach description & documentation)
M6	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records of complaints kept ' no complaints received " Other (attach description & documentation)
M7	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" All records of fuel deliveries kept ' no fuel delivered exceeded 0.5% sulfur " Other (attach description & documentation)
M8	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" No used oil burned ' Used oil blended as required " Other (attach description & documentation)
M9	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" Fuel tank records kept ' Tanks not subject to record keeping " Other (attach description & documentation)
M10	" In Compliance " Not in Compliance " Not Applicable	" Continuous " Intermittent	" No source tests required ' source tests performed as requested " Other (attach description & documentation)

Attachment 2 - Annual Compliance Certification

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Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Signature

Printed Name

Title

State of Alaska, City of _____, Borough of _____

On this ____ day of _____, 19__ before me personally appeared _____, whose identity was proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged that he (she) executed the same.

Notary Public

My Commission Expires on _____

[18 AAC 50.205 1/18/97]

Send a copy to:

EPA Region 10
1200 6th Avenue, Mailstop OAQ-107
Seattle, WA 98101

Send two copies and the original to:

Alaska Department of Environmental Conservation
Air Permits Program
610 University Avenue
Fairbanks, AK 99709-3643

Attachment 3. Citation Tables Qualifying Criteria This permit may apply if permit is needed under AS 46.14.130(b) and 18 AAC 50.325(b)(1) or 18 AAC 50.325(c)

Permit Conditions					
Condition #'s	Required By (1/18/97)	Federal Citation	Incorporated by reference in	Approved SIP Citation (5/26/72)	Current State Regulation (1/18/97)
1 – 14	18 AAC 50.345(a) 18 AAC 50.350(b)(3)				
15	18 AAC 50.350(d)(1)(A)	40 C.F.R. 61.145	18 AAC 50.040(b)(3)		
16	18 AAC 50.350(d)(1)(A)	40 C.F.R. 82.150	18 AAC 50.040(d)		
17	18 AAC 50.350(d)(1)(C) 18 AAC 50.350(d)(3)				18 AAC 50.055(a)(1)
	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3)	40 C.F.R. 52.75*	18 AAC 50.040(e)	18 AAC 50.050(a)(1)	
18	18 AAC 50.350(d)(1)(C) 18 AAC 50.350(d)(3)				18 AAC 50.055(b)(1)
	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3)	40 C.F.R. 52.75*	18 AAC 50.040(e)	18 AAC 50.050(b)(1)	
19	18 AAC 50.350(d)(1)(C) 18 AAC 50.350(d)(3)				18 AAC 50.055(c)
	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3)	40 C.F.R. 52.75*	18 AAC 50.040(e)	18 AAC 50.050(c)	
20	18 AAC 50.350(d)(1)(A) 18 AAC 50.350(d)(3)	40 C.F.R. 60.110b, 116b(a), 116b(b)	18 AAC 50.040(a)(2)(M)		
21.1	18 AAC 50.350(f)(3)	40 C.F.R. 52.75*	18 AAC 50.040(e)	18 AAC 50.110	18 AAC 50.110
21.2	18 AAC 50.350(f)(3)	40 C.F.R. 52.75*	18 AAC 50.040(e)	18 AAC 50. 530(a)	18 AAC 50. 045(e)
22	18 AAC 50.350(c)				18 AAC 50.400(a) 18 AAC 50.410(a) 18 AAC 50.420(a)
23	18 AAC 50.350(j)				18 AAC 50.350(j) 18 AAC 50.345 18 AAC 50.350(d), (e), (f)

* 40 CFR 60.52.75 is the adoption by reference to the State of Alaska emission standards adopted by reference see Approved SIP Citation for citation and date.

ATTACHMENT 4
Emission Calculations for Emission Fees

Calculate emissions from fuel records from previous January 1 through December 31. Make the calculations and provide assessable emissions estimate to ADEC no later than March 31.

Send calculations to

Alaska Department of Environmental Conservation
Air Emissions Estimate
410 Willoughby Avenue Suite 303
Juneau, Alaska 99801

Use the emission factors in the table below to make the assessable emissions estimate. First, enter the table by determining into which range the fuel consumption of the facility for the previous year falls. Identify the appropriate emission factor associated with the range of fuel consumed. Multiply the actual amount of fuel consumed by the emission factor to determine the tons of emissions. Multiply the tons of emissions by \$5.07 per ton. See the example below the table.

Fuel Consumption gallons	Multiply By Emission Factor	Tons of Emissions
0 to 33096	Zero	Zero assessable
33096 to 153846	0.000302 tons/gal	
153846 to 281690	0.000367 tons/gal	
281690 to 416666	0.000402 tons/gal	
416666 to 476190	0.000426 tons/gal	
Over 476190	0.000447 tons/gal	

Example: Last year your power plant consumed 300,000 gallons of diesel fuel. 300,000 gallons falls into the range between 281,690 to 416,666 gallons. The appropriate emission factor is 0.000402 tons per gallon. Multiply the actual amount of fuel consumed (300,000 gallons) by the emission factor as follows:

$$300,000 \text{ gals} \times 0.000402 \text{ tons / gal} = 120.6 \text{ tons}$$

Multiply the tons by the fee per ton which is \$5.07 / ton.

$$120.6 \text{ tons} \times \$5.07 / \text{ton} = \$611.44 \text{ emission fee}$$

Attachment 5. ADEC Notification Form

ADEC Notification Form

Fax this form to: (907) 269-7508 Telephone: (907) 269-8888

Company Name _____

Facility Name _____

Reason for notification:

☐ **Excess Emissions**

If you checked this box

Fill out section 1

☐ **Other Deviation from Permit Condition**

If you checked this box

fill out section 2

When did you discover the Excess Emissions or Other Deviation:

Date: __/__/__ Time:__:__

Section 1. Excess Emissions

(a) Event Information (Use 24-hour clock):

	START Time:	END Time:	Duration (hr:min):
Date: _____	_____:_____	_____:_____	_____:_____
Date: _____	_____:_____	_____:_____	_____:_____
		Total:	_____:_____

(b) Cause of Event (Check all that apply):

<input type="checkbox"/> START UP	<input type="checkbox"/> UPSET CONDITION	<input type="checkbox"/> CONTROL EQUIPMENT
<input type="checkbox"/> SHUT DOWN	<input type="checkbox"/> SCHEDULED MAINTENANCE	<input type="checkbox"/> OTHER _____

Attach a detailed description of what happened, including the parameters or operating conditions exceeded.

(c) Sources Involved:

Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____

(d) Emission Limit Potentially Exceeded

Identify each emission standard potentially exceeded during the event. Attach a list of ALL known or suspected injuries or health impacts. Identify what observation or data prompted this report. Attach additional sheets as necessary.

Permit Condition	Limit	Emissions Observed
_____	_____	_____
_____	_____	_____

(e) Excess Emission Reduction:

Attach a description of the measures taken to minimize and/or control emissions during the event.

(f) Corrective Actions:

Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of a recurrence.

(g) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?

☐ YES ☐ NO

Do you intend to assert the affirmative defense of 18 AAC 50.235?

☐ YES ☐ NO

Section 2. Other Permit Deviations

(a) Sources Involved:

Identify each emission source involved in the event, using the same identification number and name as in the permit. List any control device or monitoring system affected by the event. Attach additional sheets as necessary.

Source ID No.	Source Name	Description	Control Device
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(b) Permit Condition Deviation:

Identify each permit condition deviation or potential deviation. Attach additional sheets as necessary.

Permit Condition	Potential Deviation
_____	_____
_____	_____
_____	_____

(c) Corrective Actions:

Attach a description of actions taken to correct the deviation or potential deviation and to prevent recurrence.

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name:

Signature:

Date

ATTACHMENT 6

Visibility and Particulate Monitoring Flow Chart

